

天 线 规 格 书

Antenna specification for approval

Customer：高科特

Project: Wifi Antenna for MID

P/N: F01-RR102-084

Description: 2.4G/5.8G antenna Gray cable

Date: 2012-04-24

承 认 签 章 Admit that signature			
云 希 承 认 Confirmation Signature		客 户 承 认 Customer Approved	
承办人 Responsible	Mark	承办人 Responsible	
主管 Chief	steph deng	主管 Chief	
核准 Approve	Michael shen	核准 Approve	
日 期 Date		日 期 Date	
批示 Instruction: <input type="checkbox"/> 接受 accept <input type="checkbox"/> 有条件接受 conditional acceptance			
备注 Note:			

1 General Information

● This approval sheet supports for MID project. Stents antennas include in this project. This report is for the performance of WLAN antenna.

- Antenna shape size: Meet the requirement of MID
- Antenna band: 2400MHz~2500MHz
- Antenna material: Antenna material meet the requirement of MID
- Adhesive performance: Adhesive performance meet the requirement of MID
- Antenna performance meet the spec below:

Description	2.4GHz~2.5GHz	4.9GHz~5.9GHz	Units
Peak Antenna Gain	≤ 3.0	≤ 6.0	dBi
Average Antenna Gain	≥ -6.0	≥ -6.0	dBi
Antenna Efficiency	≥ -6	≥ -6	dB
Antenna Efficiency	≥ 35	≥ 30	%
Feed Impedance	50 ohms		
Operating Temperature	-40 to +85 deg C		
Polarization / Azimuth	Linear / Omni-directional		

● Mechanical Information

Mechanical Dimension	
Cable Length	85mm/Gray
Description	WLAN antenna
Material	Stents
Coaxial Cable	50Ohm/O.D.1.13mm
Environmental	
Operation Temperature	-40 to +85 deg C
Storage Temperature	-40 to +85 deg C

2. Antenna - Radiation Pattern Test Data

Testing Equipment Specification:

Antenna Anechoic Chamber Dimension: 8 x 4 x 4 m

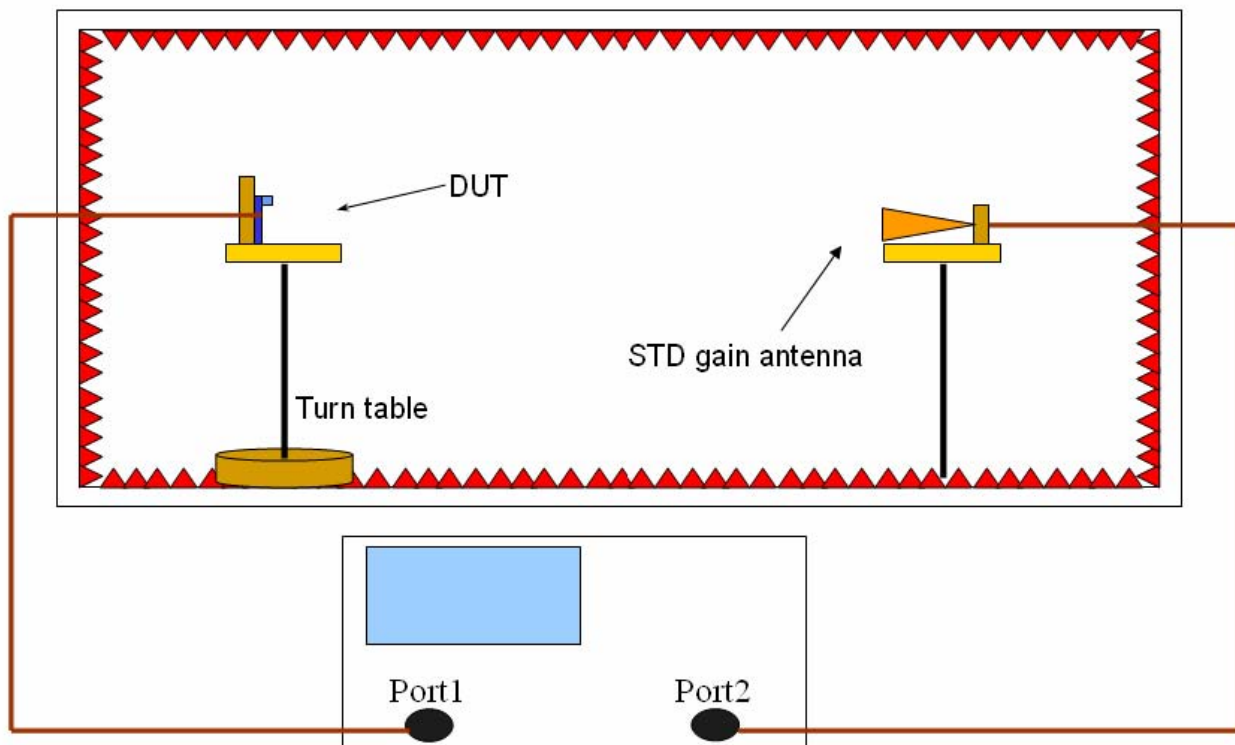
Quite Zone: 600mm @1 GHz

Isolation: >100dB @ 1 MHz ~ 10 GHz

Testing Equipment: Agilent 5071B

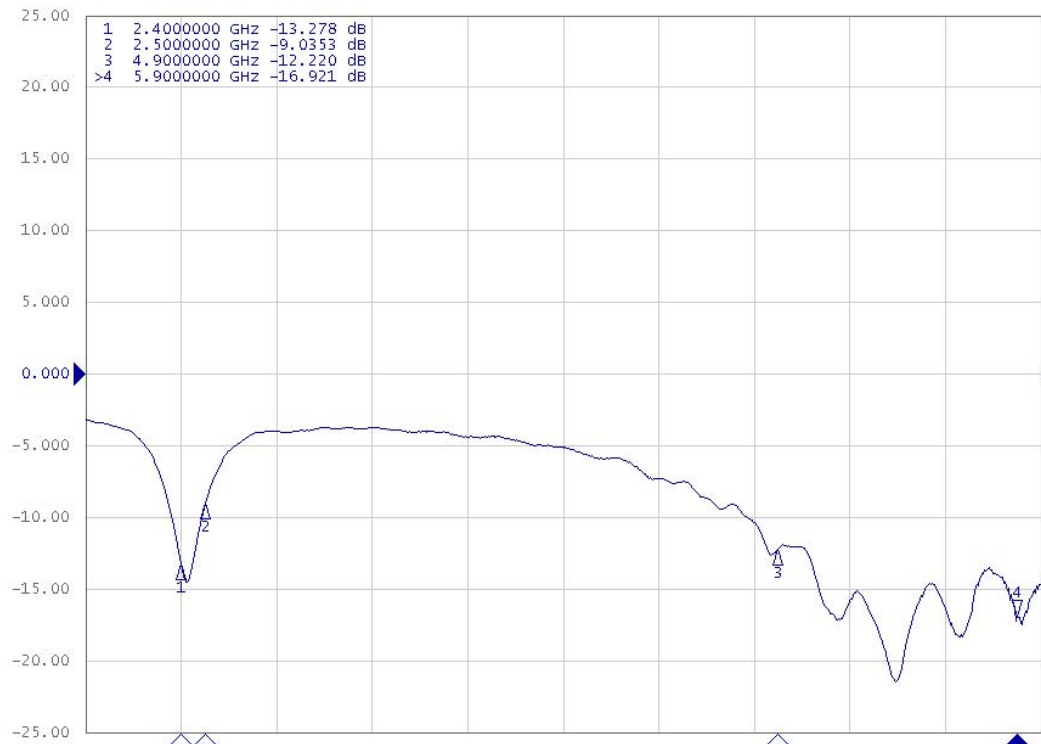
Received Antenna: 0.7 ~ 6.0 GHz for Gain Calibration

Double Ridged Horn Antenna

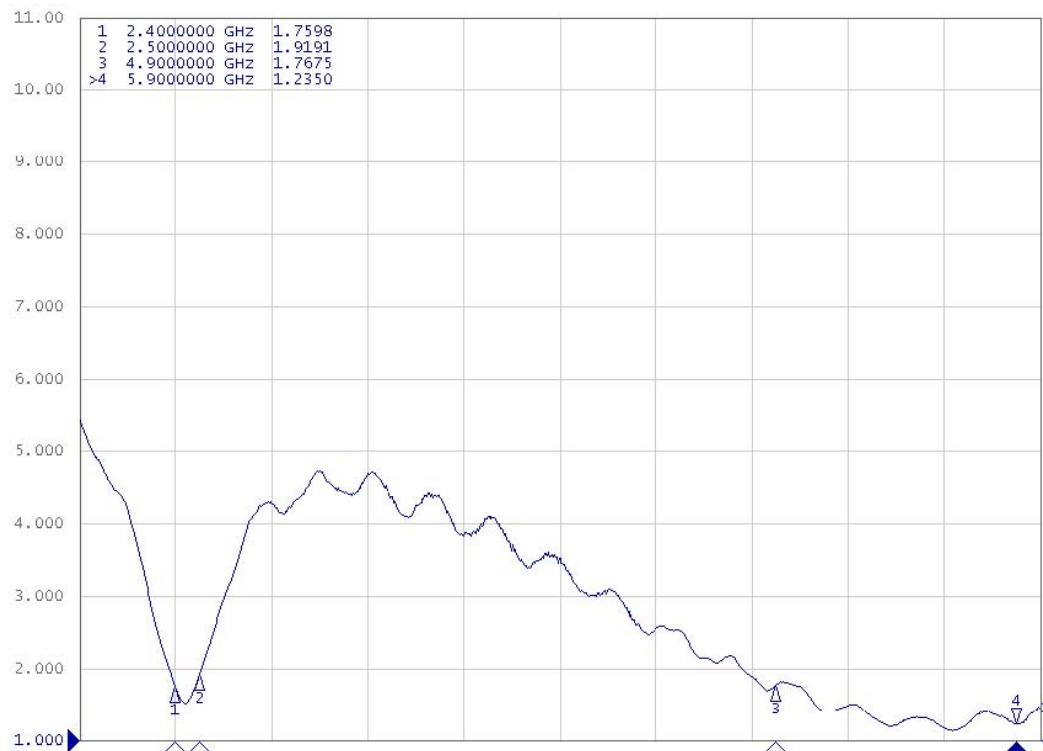


3 Measurement information

3.1:RTLOSS



3.2:VSWR



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4 Mechanical Drawing

